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4. LOCATION OF WELL (Report location clearly and in accordance with any State requirem	#2 10. FIELD AND FOOL, OR WILDCAT
	nents.*) Artesia Oil Pool
330' FNL & 2310' FEL of Section 13	11. SEC., T., B., M., OE BLK. AND SURVEY OR AREA
At proposed prod. zone Unit B Same (NW/4 NE/4)	
Same (NW/4 NE/4) 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*	Sec. 13-185-27E 12. COUNTY OF PARISH 13. STATE
ll air miles southeast of Artesia, New Mexico	Eddy NM
15. DISTANCE FROM PROPOSED [®] LOCATION TO NEAREST	
(Also to nearest drlg. unit line, if any) (330') 120	40
18. DISTANCE FROM PROPOSED LOCATION [*] TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320' 2100' San A	
21. ELEVATIONS (Show whether DF, RT, GR, etc.)	Andres Rotary 22. APPEOX. DATE WORK WILL START ⁴
3568' G.L.	June 1, 1985
23. PROPOSED CASING AND CEMENTING	NG PROGRAM
SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING I	DEPTH QUANTITY OF CEMENT
<u>12 1/4" 8 5/8" 24.0# 350'</u>	Sufficient to circulate
7 7/8" 5 1/2" 14.0# 2100'	200 sacks
2. Supplemental Drilling	creage Dedication Plat
N ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give	data on present productive zone and proposed new productive
one. If proposal is to drill or deepen directionally, give pertinent data on subsurface lo reventer program, if any.	locations and measured and true vertical depths. Give blowout
BIGNED A G. S. Agent	May 10, 1985
(This space for Federal or State office use)	
PERMIT NO	
PERMIT NO.	· •
A I - ALLEY STORE DATE	
APPROVED BY Auch House and TITLE	DATE 520.85

W MEXICO OIL CONSERVATION COMMI ON WELL LOCATION AND ACREAGE DEDICATION PLAT

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Form C-102 Supersedes C-128 Effective 1-1-65

CASA PETROLEUM Lease ANADARKO FEDERAL 13 2 Datt Letter Section Township Fange County Eddy 330 feet from the NOT th Ine and 2310 feet from the Eddy itend Leyes Lieve Producing Premiution Proof Dedicated Your Date Dedicated Acressing 3568 Queen-Grayburg-San Ardred Artesia Oil Pool Dedicated Acressing Artesia Oil Pool 4 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners bee dated by communitization, unitization, force-pooling, etc?			ction.	daries of the Sec	om the outer boun	istances must be f	A11 d			
B 13 Termstip Parage 27 East Eddy 330 feet from the NOrth Inne end 2310 feet from the East Inne 330 feet from the NOrth Inne end 2310 feet from the East Inne 3568 Queen-Grayburg-San Ardred Artesia Oil Pool Dedicated Acress 3568 Queen-Grayburg-San Ardred Artesia Oil Pool 0 1 Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 1 2 If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as interest and royalty). 3 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners bee dated by communitization, unitization, force-pooling.etc? If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use revent this form if accessary). No allowable will be assigned to the well until all interests have been consolidated (by communitization, u force-dooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the sion. CERTIFICATION Interest and colspan="2">CERTIFICATION No allowable will be assigned to the well until all interests have been consolidated (by communitizatio	-							TROL.	SA PE	Operator CAS
B 13 18 South 27 East Eddy 330 feet rom the North time and 2310 new from the East ine 330 feet rom the North time and 2310 new from the East ine 3568 Queen-Grayburg-San Ardred Artesia Oil Pool Dedicated Acreag 10. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners bed dated by communitization, force-pooling, etc? Yes No If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use revent this form if accessary). No allowable will be easigned to the well until all interests have been consolidated (by communitization, uforced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the sion. Vence Donald G. Beck. Postion May 10, 198. Ware May 10, 198. Ware Did Survered	۷	2				ulp.	· · · · · · · · · · · · · · · · · · ·			Jnit Letter
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No allowable will be assigned to the well until all interests have been consolidated (by communitization, u forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by th sion. CERTIFICATION I hereby certify that the info teined herein is true and can be fir my knowledge and per Nome Donald G. Beck Position Agent Company CASA PETROLEUM, Date May 10, 1981 With Exploring the start of any hole of th					g. etc? consolidation	on, force-pooli "yes," type o	ation, unitizati If answer is st the owners	munitiz] No "no," li	es [wer is '	If answ
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Registered Professional Engine	gineer	9/85	4/29,		 			1		
and/or Land Surveyor	1 ЛЛ.		and/er Land Su		ł					
Certificate No.	egy	<u>11. /Udd</u>								

BLOWOUT PREVENTER ARRANGEMENT Casa Petroleum, Inc. Well #2 Anadarko 13 Federal NW4NE4 Sec. 13-18S-27E

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ARRANGEMENT A

SUPPLEMENTAL DRILLING DATA

CASA PETROLEUM, INC. WELL #2 ANADARKO 13 FEDERAL NW/4 NE/4 SECTION 13-18S-27E EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Artesia Group of Permian Age. (Elev. 3568').

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Yates Seven Rivers Oueen	280' 500' 1250'	Grayburg San Adnres Louington Cond	1665' 2050'
Queen	1250'	Lovington Sand	2200'

3. ANTICIPATED POROSITY ZONES:

Water:	Above	250'
0il:	1500'	- 2100'

4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
8 5/8"	0 - 350'	24.0#	K-55	STC
5 1/2"	0 - 2100'	14.0#	K-55	STC

- 5. <u>SURFACE CONTROL EQUIPMENT</u>: A double ram-type or annular BOP will be used.
- 6. <u>CIRCULATING MEDIUM</u>: Fresh water mud conditioned as necessary for control of viscosity and water loss.
- 7. <u>AUXILIARY EQUIPMENT</u>: None considered necessary on this shallow development well.
- 8. <u>TESTING, LOGGING AND CORING PROGRAMS</u>: No coring or DST's are planned. Electric logs will include a Compensated Neutron Log with Gamma Ray.
- 9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.
- 10. <u>ANTICIPATED STARTING DATE</u>: It is planned that operations will commence about June 1, 1985. Duration of drilling, completion and testing operations should be 1 to 5 weeks.





Form 3160-3 Ar November 1983) formerly 9-331C)	یں ۱۳۸ (Bala, IM UN DEPARTMEN	TED STATES	REGEN	TELICATE Form approved. retrine on Budget Bureau No. 1004-0	- C
APPLICATION	DEFARIMEN			Expires August 31, 1985	
APPLICATION	BUREAU O	F LAND MANAGEME		984 . LEASE DESIGNATION AND SERIAL 2 NM-36497	NO.
AITERATIO					M B
a. TYPE OF WORK		f	ARTESIA, O	FFICE	
DRI b. TYPE OF WELL	LL []	DEEPEN	PLUG BA	CK 7. UNIT AGREEMENT NAME	
	ELL OTHER		SINGLE MULTIF	8. FAEM OE LEASE NAME	
NAME OF OPERATOR	LEUM, INC. V		(Patch k (505-746		L
ADDRESS OF OPERATOR			()0) / 40	2	
105 North	6th, Artesia,	New Mexico 88210 nd in accordance with any) State regularments t	10. FIELD AND POOL, OR WILDCAT	
Af surisce	1980' FEL of		State reguirements.*)	Artesia 01 Pool 11. SEC., T., R., M., OR BLK.	
At proposed prod. zon				nit B) AND SUBVEY OR ABEA	
Same	ND DIRECTION FROM NI	CAREST TOWN OR POST OFFI		W4NE4) Sec. 13-18S-27E 12. COUNTY OR PARISH 13. STATE	
		of Artesia, New I	-	Eddy NM	
D. DISTANCE FROM PROPO Location to Nearest Property or Lease L		330 ^{16.} N	0. OF ACRES IN LEASE	17. NO, OF ACRES ASSIGNED TO THIS WELL	
(Also to nearest drig B. DISTANCE FROM PROP	. unit line, if any) OSED LOCATION [®]	(<u>330</u>)	120 ROPOSED DEPTH	40 20. ROTARY OR CABLE TOOLS	
TO NEAREST WELL, DE OR APPLIED FOR, ON THE		1320'	2100' San Andres		
. ELEVATIONS (Show whe			······································	22. APPROX. DATE WORK WILL STAN	RT*
<u> </u>	L.	PROPOSED CASING AN	D CEMENTING PROCE	December 10, 1984	
SIZE OF HOLE	SIZE OF CABING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
124 or	8 5/8"	24.0#	350'	Sufficient to circulate	<u> </u>
7 7/8"	5 1/2"	14.0#	2100'	200 sacks	<u> </u>
optim Attac	um production. hed are: 1. 2. 3. PROPOSED PROGRAM: If Irill or deepen direction	Well Location & Supplemental Dr Surface Use Plar	Acreage Dedicat illing Data	OCT20 resent productive sone and proposed new produc nd measured and true vertical depths. Give blow	vout
BIGNEDames			Agent	October 20, 1	<u>98</u> 4
(This space for Feder	al or State office use)				
PERMIT NO.			APPROVAL DATE		
APPROVED BY		TÍTLE	GARLSBAD ALOUGHUE ANER	DATE 11:38 54	<u> </u>
CONDITIÓNS OF APPROVA	L, IF ANY :		On Reverse Side	APPROVAL SUBJECT TO GENERAL REQUIREMENTS AN SPECIAL STIPULATIONS ake to any OTTACHED or agency of the	D

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THE MEXICO OIL CONSERVATION COMMINION WELL LOCATION AND ACREAGE DEDICATION PLAT

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		All distances mus	t be from the outer bou	ndaries of the	Section	
perator CAS/	A PETROLEUM,	INC.	Lease ANAI	DARKO 13	FEDERAL	Well No. 2
sut Letter	Section	Township		5	ounty	2
B Actual Footage Loc		185	27	E	EDDY	
1980	teet from the	EAST line	9 aand 33()	f oc t fr	om the NORTH	line
Ground Level Elev.	Producing F Q-Gb		Pool	a Oil Poo		Dedicated Acreage:
3557.5	l		ct well by colored			40 Acres
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dated by o Yes If answer this form i No allowal	communitization, No If is "no," list the f necessary.) ble will be assig	unitization, force- answer is "yes," ty owners and tract ned to the well unt	pooling. etc? /pe of consolidatio descriptions which 	n have actu e been con	ally been consolic solidated (by co	dated. (Use reverse side of mmunitization, unitization, n approved by the Commis-
			0.	1980'		CERTIFICATION
	 			1900	tained h	ecertify that the information con- erein is true and complete to the my knowledge and belief. Ce. Cappy
	+		 		Fosition	mes A. Knauf
				A. S. A.	Company CA Date	SA PETROLEUM, INC.
					I hereby shown o notes st under my is true knowled	tober 20, 1984 c certify that the well location in this plat was plotted fram field f actual surveys made by me or c supervision, and that the same and correct to the best of my ge and belief.
						Professional Engineer Ind Surveyor
c 330 680	90 1920 1680 19	80 2310 2640	2000 1500 10	00 800	Certificate	NO. JOHN W. WEST, 676 RONALD J. EIDSON, 3239

BLOWOUT PREVENTER ARRANGEMENT

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Casa Petroleum, Inc. Well #2 Anadarko 13 Federal NW4NE4 Sec. 13-18S-27E



ARRANGEMENT A

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SUPPLEMENTAL DRILLING DATA

CASA PETROLEUM, INC. WELL #2 ANADARKO 13 FEDERAL NW4NE4 SEC. 13-18S-27E EDDY COUNTY, NEW MEXICO

- 1. SURFACE FORMATION: Artesia Group of Permian Age. (Elev. 3558!).
- 2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Yates	280 '	Grayburg	16651
Seven Rivers	500'	San Andres	20501
Queen	1250 '	Lovington Sand	2200'

3. ANTICIPATED POROSITY ZONES:

Water: Above 250' Oil: 1500 - 2100'

4. CASING DESIGN:

Size	Interval	Weight	Grade	Joint
8 5/8"	0 - 3 5 0'	24.0#	K-55	STC
5 1/2"	0 - 2100'	14.0#	K-55	STC

- 5. <u>SURFACE CONTROL EQUIPMENT</u>: A double ram-type or annular BOP will be used.
- 6. <u>CIRCULATING MEDIUM</u>: Fresh water mud conditioned as necessary for control of viscosity and water loss.
- 7. <u>AUXILIARY EQUIPMENT</u>: None considered necessary on this shallow development well.
- 8. TESTING, LOGGING AND CORING PROGRAMS: No coring or DST's are planned. Electric logs will include a Compensated Neutron Log with Gamma Ray.
- 9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.
- 10. ANTICIPATED STARTING DATE: It is planned that operations will commence about December 10, 1984. Duration of Drilling, completion and testing operations should be 1 to 5 weeks.





SUP Exhibit "D" SKETCH OF WELL PAD

Casa Petroleum, Inc. Well #2 Anadarko 13 Federal NW#NE# Sec. 13-185-27E